

Amendment II

HSCC/SJH/Med. Eqpt/2016

Date: 15.03.2017

Ref.: Tender No. HSCC/SJH/Med.Eqpt. /2016/28 dt. 15.02.2017

Sub.: Procurement of Medical Equipment for New Emergency Block & Super-Specialty Block at Safdarjung Hospital, New Delhi.

For item No. 3, Biochemistry Analyzer 16-channels Technical Amendment have been received in view of the pre bid meeting queries submitted by the prospective bidders. It revise the bid submission date extended from 15.03.2017 to 24.03.2017, for item No. 3 ,

Existing As:

S.No.	Item	Qty./Requirements	EMD (INR)
3	Biochemistry Analyzer 16-Channels	1 no. for Biochemistry Lab. in Emergency Block	1,28,000.00

Amended as :

S.No.	Item	Qty./Requirements	EMD (INR)
3	Biochemistry Analyzer 16-Channels	2 no. for Biochemistry Lab. in Emergency Block	2,56,000.00

AMENDED SPECIFICATION FOR BIO-CHEMISTRY AUTOANALYSER : QUANTITY-2

A. MAIN CHEMISTRY ANALYZER UNIT.

1. Fully automated, Discreet, Multi-channel, Random access clinical chemistry analyzer with ISE.
2. Assay modes: photometric end point, kinetic, indirect ISE, bichromatic and immunoturbidimetric.
3. Throughput: at least 1200 or more tests per hour with ISE out of which at least 800 should be photometric tests.
4. Sample type- plasma, serum, urine, CSF and other fluids analysis facility.
5. Sample loading: Atleast 150 sample positions with continuous loading.
6. Onboard parameter test: Minimum 60 onboard photometric parameters.
7. The system should have the facility of adding immunochemistry module.
8. The system should be able to take samples from primary / secondary tubes, sample cups.
9. System should have minimum 10 open channels.
10. The system should have facility for automatic rerun, automatic reflex testing and have facility for continuous loading of stat samples without interrupting the routine run .
11. Photometer: multi-wavelength diffraction grating photometric system with wavelengths ranging from 340-

- 800 nm.
12. Photometric range should be from 0-3.0 OD
 13. The system should have menu for therapeutic drugs and drugs of abuse.
 14. Lamp source: halogen/xenon lamp with life of atleast 800 hours. One extra lamp should be provided free of cost with the equipment besides the normal standard accessories.
 15. Bar Code Reading facility for samples and reagents.
 16. Sample and reagent probe: Separate probes for sample and reagents .
 17. Sample probe: probe must have liquid level detector/sensor and independent washing facility. Also probe crash detection and sample clot detection facility should be there. It should use <25µl sample in 0.1µl increment.
 18. Reagent probe: probe must have liquid level detector/sensor and independent washing facility with probe crash detection facility.

 19. Reagent compartment should be refrigerated with temperature 4-8°C or better and humidity control.
 20. Cuvettes: Permanent hard glass / quartz cuvettes/plastic cuvettes with onboard washing facility or disposable cuvettes.
 21. Should have pre- & post- auto dilution of samples and re-run capability for out of range samples. Also there should be facility for serial dilutions in multipoint calibration.

B) Computer system

22. Personal computer having latest windows and processor, DVD –RAM , with monitor, keyboard and laser jet printer compatible with normal A-4 size paper.
23. Quality control: real time, individual and cumulative quality control with automatic QC programming with L-J graphs. Printout of QC charts & reports.
24. Software:
 - i) Compatible, programmable windows based user friendly software with comprehensive data processing and management system.
 - ii) Graphical user interface software for unidirectional and bidirectional communication.
 - iii) LIS and HIS capability. Full technical support to link it to HIMS should be provided. It should also be able to link to company's teleservice functioning for QC data / calibrators data downloading.
 - iv) Complete backup of the database for calibration, control and patients sample result.
 - v) At least 10,000 patient result storage and multitasking facility on computer.

C) Water purification unit:

25. All vendors should supply the compatible water treatment plant for the instrument based on RO or any latest technology, along with necessary plumbing and adequate size storage tank if required by the equipment. They will have to check the hospital's water quality before supplying water plant. It would be the responsibility of the vendor to maintain the water quality for the equipment irrespective of the quality of the feed water. The vendor should also give separate prefiltration unit if required.
26. All related plumbing for whole instrument with suitable diameter pipes for input as well as drain water should be done by the company. Also suitable stand for water purification system and storage tank should be provided.

D) UPS

27. Equipment should be supplied with compatible online UPS for entire machine with atleast 60 min battery backup.

E) Other General Conditions

28. Should have US FDA / European CE/ BIS approved certification.
29. **On-site training:** Comprehensive and full training of all users by suppliers for operating the equipment on site.
30. The manufacturer should provide 2 spare printer cartridges free of cost. Printer should be such that it's cartridges are easily available.
31. Models quoted should be latest on production line of manufacturer and manufacturer's certificate for this should be provided.
32. Logbook with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the Hospital technician and company service engineer should be clearly spelt out.
33. Complete circuit diagram and service manual and operating manual must be provided. User/technical/maintenance manuals to be supplied in English. Supplier must provide original documentary proof of the date and place of manufacturing of supplied equipment.
34. Certificate of Traceability for calibrators, traceable to national/international reference standards to be submitted by the firm.
35. Manufactures should also be manufacturing the reagents/kits needed for the machine. However, quality control sera may be of third party.
36. Assured supply of spares and consumables for 10 years at least.
37. Comprehensive warranty includes replacement of all parts which might require replacement even due to wear/tear which may affect the routine functioning of the equipment) for first 5 years. CMC rates for next 5 years after warranty (including accessories and RO system + UPS with batteries + computer system) to be quoted at the time of tender only. If due to some reason company is not able to repair the equipment, the equipment of similar specification and same throughput should be installed free of cost at the same term and conditions till the 10 years period is completed.
38. Cumulative cost (including cost of the equipment including 5 years warranty, and CMC for next 5 years i.e. from sixth to tenth year and Price of the reagents/consumables/Solutions/Accessories etc for 5 years as per the mentioned workload) will be taken into consideration for evaluation of price. **Price bid evaluation document attached in Annexure 1.**
39. Where-ever applicable, the reagent wastage cost due to mechanical error of the equipment should be compensated free of cost by the bidder.
40. Based on the workload provided by the user department, the bidder shall have to quote all other items and their quantities which are likely to be consumed daily for the tests listed in the bidder quote document. Anything which is not quoted by the bidder in the technical and price bid document shall have to be supplied free of cost for the entire validity period.
41. Maximum down time for both equipments at a stretch should not be more than 6 hrs.
42. Installation and satisfactory functioning reports of atleast last 3 years.
43. Should be capable of up gradation and onsite integration if required.
44. Site preparation while installation including plumbing etc. to be done by the firm.
45. Compliance Report Proforma (Mandatory): Compliance report to be submitted in a tabulated and point wise manner clearly saying 'Yes/No' in the Compliance Proforma. The compliance report should be signed by Authorized signatory of the Manufacturer / Supplier.

ANNEXURE -1

Bidder quote for the Bio-chemistry autoanalyser (1200 throughput)

- The bidder whose bid is lowest as per the total of amounts in A, B and C will be considered as L1 i.e. The sum total of Cost of the equipment(including 5 years warranty), 5 years CMC charges after warranty and Price of the Reagents/Consumables/ Solutions/ Accessories etc.for 5 years as per the mentioned workload
- The bidder must also quote the following in a tabulated PDF form. The rates quoted in this table shall remain fixed for first five years from date of installation.

A. Cost of the equipment (including 5 Years Warranty)

B. 5 Yrs. CMC charges after warranty (CMC will be paid annually).

A Cost of the equipment (including 5 Years Warranty)	B 5Yrs. CMC charges after warranty (CMC will be paid annually).				
	6 th Yr.	7 th Yr.	8 th Yr.	9 th Yr.	10 th Yr.

C. TABLE – The Price of the following reagents should be quoted at the time of tender. These rate shall remain fixed for 5 Years from the date of award of contract-

S no	Name of Assay	Approximate No. of tests required for the assay (Monthly)	Kits size in terms of number of test	Rate per kit	Rate per Test	Number of Kits likely to be consumed (To the next higher digit	Cost of Kits (yearly consumption)	Cost of the kits (Five year consumption)

						if calculation leads to fractional number of kits.)		
1.	Glucose	6000						
2.	Urea	6000						
3.	Creatinine	6000						
5.	T. Bilirubin	6000						
6.	D. Bilirubin	750						
7.	SGOT	6000						
8.	SGPT	6000						
9.	ALP	6000						
18	Amylase	750						
19	CK	750						
20	CK-MB	750						
21	LDH	750						
22	Sodium	6000						
23	Potassium	6000						
24	Multi calibrator/ Specific Calibrator	Usage according to Specified frequency						
25	Quality Control Sera(Both normal and abnormal range)	Usage according to Specified frequency						
26	Any other consumable such as lamp,electrodes, disposables,wash solution,buffers etc.	Usage according to Specified frequency						

- The Rates of all consumable/accessories like tips, lamp, electrodes, disposables, buffer solutions, wash solutions or any other reagent for the day to day running of the equipment should be included at the time of tender and should be quoted in the table C on the basis of the above projected work load.
- CMC charges will be paid annually after expiry of warranty. Any amount quoted in table C shall be paid at the time of actual purchase of the kits and consumables.
- The Price of the reagents for other tests not mentioned in the above table but which are available on the equipment shall be quoted at the time of bid only (If needed to be started in future).these rates will also be frozen for five years. However, rates for these parameters will not be used for price bid evaluation.
- Onboard stability of reagents should be at least 30 days for the parameters frequently used and at least 45 days for the less frequently used parameters and shelf life of reagents should be at least 6 months.
- The system must be supplied with necessary pre-requisites and start up kits for installation and training free of cost as per the mentioned workload for 2 months for all the parameters mentioned in table (Annexure 1). Calibrators and Controls (normal and abnormal) for all the above tests in suitable volume for above mentioned workload and any other liquid consumables /buffer solutions/wash solutions/accessories for the above mentioned workload must also be provided free of cost.
- Any consumable not quoted in this table but essential for performing the above listed tests shall have to be supplied free of cost for the entire workload during the validity of the contract.

All other tender terms and conditions remain unchanged

Amendment to be issued will be uploaded on website www.Tenderwizard.com/HSCC & www.hsscltd.com

Medical Superintendent
Safdarjang Hospital & VMMC, New Delhi.